

AMENDMENTS TO THE CLAIMS:

1. (Previously Presented) A network intelligence for a data network, comprising:

a call service provider for, when connected to a plurality of data network telephones, facilitating provision of telephony services for said plurality of telephones; and

one or more terminal emulators each comprising at least one service proxy for, when connected to a plurality of data sources, setting up services between said plurality of data sources and said plurality of telephones.
2. (Original) The network intelligence of claim 1 further comprising at least one configuration data structure for each of said plurality of data network telephones, each configuration data structure correlating user input elements from a telephone with functions.
3. (Original) The network intelligence of claim 1 further comprising a plurality of configuration data structures for each of said plurality of data network telephones, each configuration data structure of a plurality of configuration data structures for a given one of said plurality of telephones correlating user input elements of said given one telephone with functions, different configuration data structures for said given one telephone correlating at least some user input elements of said given one telephone with different functions.

4. (Original) The network intelligence of claim 3 wherein said user input elements comprise key press indications.

5.-28. (Canceled)

29. (Original) A computer readable medium, which when loaded into a processor connected to a data network to which at least one telephone is also connected, controls said processor to:

receive user input messages from said telephone over said data network, each user input message identifying a user input element actuated by a user;

where one or more user input messages from said telephone indicate a called station, establish a call between said telephone and said called station utilising a first service provider such that audio data may pass between said telephone and said called station, and update a state of said telephone to a state of busy with a voice call;

where, after establishment of said call, a further user input message is received and where a current function of a user input element identified in said further message indicates a service provided by a second service provider, if said state of said telephone is not incompatible with said function, send a control message to said telephone to establish said service provided by said second service provider.

30. (Original) A computer readable medium, which when loaded into a processor connected to a data network to which at least one telephone is also connected, controls said processor to:

based on user input messages from said telephone, establish a voice call;

based on one or more user input messages from said telephone received during pendency of said voice call, set up at least one non-telephony data service between said telephone and at least one data source, at least where said at least one data service does not conflict with said voice call.

31. (Canceled).

32. (Previously Presented) A network intelligence for a data network, comprising:

a call service provider for, when connected to a plurality of data network telephones, facilitating provision of telephony services for said plurality of telephones; and

a control messenger for selectively sending (i) a control message to enable a user input element of a given telephone of said plurality of telephones to locally control a function at said given telephone and (ii) a control message to disable a user input element of a given telephone of said plurality of telephones to locally control a function at said given telephone.

33. (Original) The network intelligence of claim 32 wherein said user input element comprises a volume control.

34.-38. (Canceled).

39. (Original) A network intelligence for a data network, comprising:

a call service provider for, when connected to a plurality of data network telephones over said data network, facilitating provision of telephony services for said plurality of telephones, said call service provider including a messenger for sending messages with audio parameters over said data network to said plurality of telephones for controlling audio at said plurality of telephones, said audio parameters including transmission and reception filters.

40. (Original) The network intelligence of claim 39 wherein said audio parameters further comprise receive loudness rating, send loudness rating, side tone masking rating, transmission and reception filter gain compensation, automatic gain control, and switched loss.

41. (Original) The network intelligence of claim 40 wherein said audio parameters further comprise receive volume range, receive volume step size, and default volume level.

42.-49. (Canceled).